



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				Application Number	09/874,930
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	June 5, 2001
				First Named Inventor	Jiangfeng Wu
				Art Unit	<del>2684</del> 2665
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	47586/P052US/10103484

RECEIVED  
APR 04 2002  
Technology Center 2600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AHH	AA	5,471,647	11/28/95	Gerlach et al.	
	AB	5,634,199	05/27/97	Gerlach et al.	
	AC	60/218,905	07/18/00	Wong et al.	
	AD	6,108,565	08/22/00	Scherzer	
	AE	60/237,951	10/03/00	Wu et al.	
	AF	09/874,932	06/05/01	Wong et al.	
	AG	6,347,234	02/12/02	Scherzer	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AHH	CA	Increasing the capacity of GSM cellular radio using adaptive antennas, M.C. Wells, IEE Proc.-Commun., Vol 143, No. 5, October 1996	
	CB	Adaptive Antennas for GSM and TDMA Systems, Anderson, et al., IEEE Personal Communications, June 1999	
	CC	CDMA/HDR: A Bandwidth Efficient High Speed Wireless Data Service for Nomadic Users, Bender, et al., August 25, 1999	
	CD	TIA/EIA/IS-2000.2-A-1, Prepared by Technical Specification Group C of the Third Generation Partnership Project 2 (3GPP2), a revision of the Telecommunications Industry Association Standard TIA/EIA/IS 2000.2 (Only the Contents, Figures and Tables pages are enclosed with this filing. This document is 452 pages long. Upon Examiner's request, a full copy will be provided.)	

Examiner Signature	Alpus H. Hsu	Date Considered	9/16/05
-----------------------	--------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002.OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/874,930
				Filing Date	June 5, 2001
				First Named Inventor	Jiangfeng Wu
				Art Unit	2665
				Examiner Name	HSU, Alpus
Sheet	1	of	1	Attorney Docket Number	65948/P052US/10400201

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
044	AA	US-5,886,988	Mar. 23, 1999	Yun et al.	
	AB	US-6,026,304	Feb. 15, 2000	Hilsenrath et al.	
	AC	US-6,262,980	July 17, 2001	Leung et al.	
	AD	US-6,295,285	Sep. 25, 2001	Whitehead	
	AE	US-6,369,757	Apr. 09, 2002	Song et al.	
	AF	US-2003/0045233	Mar. 06, 2003	Doi	
	AG	US-6,597,678	July 22, 2003	Kuwahara et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
044	CA	International Search Report issued for PCT/US02/21635, dated August 26, 2004.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

RECEIVED  
SEP 16 2004  
Technology Center 2600

Examiner Signature	A/pus H. Hsu	Date Considered	9/16/05
-----------------------	--------------	--------------------	---------

25451723.1